

## Agenda

### Friday, September 13, 2019

6:30 a.m. - 5:15 p.m.

#### Registration

6:30 - 7:30 a.m.

#### Breakfast (Provided)

7:30 - 7:45 a.m.

#### Hospital Medicine 101 Pre-Course: Welcome From Course Directors (Separate registration required.)

7:45 - 8:45 a.m.

#### Hospital Medicine 101 Pre-Course: Lab Rats to the Rescue: A Quick Review of Lab Medicine (Separate registration required.)

Andrew Herber, PA-C

At the conclusion of this session, participants should be able to:

- Interpret abnormal lab values commonly found in hospitalized patients
- Determine a differential diagnosis for specific lab abnormalities
- Develop a strategic approach to ordering labs in hospitalized patients

8:45 - 9:45 a.m.

#### Hospital Medicine 101 Pre-Course: Abdominal Imaging Review: The Basics (Separate registration required.)

Kyle K. Jensen, MD

At the conclusion of this session, participants should be able to:

- Identify basic anatomy on an abdominal and pelvic radiograph
- Better identify normal from abnormal abdominal radiographs
- Identify basic anatomy of the abdomen on computed tomography imaging

9:45 - 10 a.m.

#### Break

10 - 11 a.m.

#### Hospital Medicine 101 Pre-Course: Electrolytes on Wall Street: Managing the Highs and Lows (Separate registration required.)

Andrew Herber, PA-C

At the conclusion of this session, participants should be able to:

- Differentiate different causes of hyponatremia
- Discuss management of hyperkalemia

- Identify common medications used to treat electrolyte abnormalities

11 a.m. - 12 p.m.

**Hospital Medicine 101 Pre-Course: Chest Imaging 101**

*(Separate registration required.)*

Gopal Allada, MD

At the conclusion of this session, participants should be able to:

- Identify thoracic imaging anatomy
- Define basic chest imaging terminology regarding pattern and distribution
- Recognize common chest imaging conditions seen in hospitalized patients
- Determine proper positioning of NG tubes, central catheters and PICC lines
- Determine indications and risks for chest CT imaging including acute pulmonary emboli

1 - 5:15 p.m.

**Bedside Ultrasound Pre-Course**

*(Separate registration required.)*

Adrijana Anderson, PA-C and Andrew Walker, PSM, MS, PA-C

At the conclusion of this session, participants should be able to:

- Outline the uses of bedside ultrasound, and discuss the advantages and disadvantages
- Explain the basic principles of how the ultrasound machine works
- List the goals of limited cardiac ultrasound
- Define components of the eFAST exam
- Discuss how to perform other types of ultrasound including lung, vascular, MSK, etc.

1 - 1:15 p.m.

**Pharmacology Review Pre-Course: Welcome From Course Directors**

*(Separate registration required.)*

1:15 - 2 p.m.

**Pharmacology Review Pre-Course: Medication Safety and Safe Prescribing** *(Separate registration required.)*

Ali Olyaei, PharmD

At the conclusion of this session, participants should be able to:

- Identify important drug interactions between medications commonly prescribed in hospitalized patients
- Identify medications that can cause QTc prolongation

- Discuss medication considerations in the elderly
- Review important cost considerations pertaining to medications commonly prescribed in hospitalized patients

2 - 3 p.m.

**Pharmacology Review Pre-Course: Love the One You're With: Antibiotics in the Hospitalized Patient** *(Separate registration required.)*

David T. Bearden, PharmD, FIDP, FCCP

At the conclusion of this session, participants should be able to:

- List the spectrum of activity and major side effects for antibiotics commonly used in hospital settings
- Choose appropriate durations of therapy for commonly encountered hospital infections
- Select effective antimicrobial regimens for patients infected with commonly encountered organisms including MRSA, C. difficile, VRE, and Pseudomonas species

3 - 3:15 p.m.

**Break**

3:15 - 4 p.m.

**Pharmacology Review Pre-Course: Opioids in the Hospitalized Patient: Friend or Foe?** *(Separate registration required.)*

Joseph Bubalo, PharmD, BCPS, BCOP

At the conclusion of this session, participants should be able to:

- Select at least 3 areas of hospital care where the need for analgesia will include opioids, and discuss current approaches to use given the declaration of an opioid crisis in the United States
- Discuss analgesic alternatives and the role of opioids in the hospitalized patient
- Contrast different opioids with regard to dosing, adverse effects, and use in different patient populations

4 - 4:45 p.m.

**Pharmacology Review Pre-Course: Treatment of Hypertension Update 2019** *(Separate registration required.)*

Ali Olyaei, PharmD

At the conclusion of this session, participants should be able to:

- Review the pharmacology of antihypertensive drugs
- Discuss the major indications and adverse drug reactions of antihypertensive drugs
- Identify major drug interactions of commonly used medications

**Saturday, September 14, 2019**

7 a.m. - 5 p.m.

**Registration**

7 - 8 a.m.

**Exhibits and Breakfast (Provided)**

8 - 8:15 a.m.

**Welcome From Course Directors**

8:15 - 9:15 a.m.

**Pneumonia in the Hospitalized Patient**

Adrijana Anderson, PA-C

At the conclusion of this session, participants should be able to:

- Differentiate the following types of pneumonia: community-acquired, hospital-acquired, ventilator-associated and aspiration
- Review the diagnostic tools available for hospitalized patients with pneumonia
- Identify when a patient should be transferred to the ICU
- Utilize non-invasive ventilation strategies when appropriate
- Discuss the appropriate treatment of each type of pneumonia

9:15 - 10:15 a.m.

**Debugging Sepsis**

Andrew Walker, PSM, MS, PA-C

At the conclusion of this session, participants should be able to:

- Describe the pathophysiology of sepsis
- Recognize sepsis early and initiate appropriate therapy quickly
- Discuss novel approaches to sepsis treatment

10:15 - 10:30 a.m.

**Exhibits/Break**

10:30 - 11:30 a.m.

**Infectious Disease Cases for the Hospital Medicine PA/NP**

Erin Stutz, PA-C, MPAS

At the conclusion of this session, participants should be able to:

- Recognize the common causes of pneumonia in hospitalized patients
- Evaluate treatment options for immunocompromised patients who warrant additional antimicrobial coverage
- Formulate a plan for the patient presenting with intra-abdominal sepsis and poor source control
- Identify the risk factors for hospital acquired infections

11:30 a.m. - 12:30 p.m.

**How to Make Friends and Not Hurt Patients: Lessons Learned From Hospital Medicine**

Erik C. Summers, MD

At the conclusion of this session, participants should be able to:

- Identify common causes of medical errors in the inpatient setting
- Name attributes of successful inpatient providers who give excellent patient care
- Note cases where medical errors occurred in the hospital

12:30 - 1:30 p.m.

**Exhibits and Lunch (Provided)**

1:30 - 2:15 p.m.

**COPD Management in the Hospitalized Patient**

Gopal Allada, MD

At the conclusion of this session, participants should be able to:

- Recognize and define a COPD exacerbation
- Formulate a COPD exacerbation management plan
- Develop strategies for preventing the exacerbation

2:15 - 3:15 p.m.

**Perioperative Medicine: Pathways, Pearls, and Myths**

Avital Y. O'Glasser, MD, FACP, FHM

At the conclusion of this session, participants should be able to:

- Introduce the concept of perioperative evaluation and risk assessment
- Review current cardiopulmonary guidelines for preoperative evaluations
- Identify common pitfalls and areas of confusion in perioperative medicine
- Examine the nuances and “grey zones” of the guidelines
- View perioperative medicine as an engaging type of patient care and an exciting opportunity for multidisciplinary involvement

3:15 - 3:30 p.m.

**Exhibits/Break**

3:30 - 4:15 p.m.

**Acute Kidney Injury and Common Renal Emergencies in Hospitalized Patients**

Jessica Weiss, MD, MCR

At the conclusion of this session, participants should be able to:

- Describe the most common types of acute kidney injury (AKI) in the hospital

- Differentiate between the two most common types of AKI in the hospital
- Discuss the interpretation of common labs used to evaluate AKI

4:15 - 5 p.m.

### **Altered Mental Status in the Hospitalized Patient**

Jennifer Palermo, MS, PA-C

At the conclusion of this session, participants should be able to:

- Describe an appropriate diagnostic evaluation for a patient with AMS
- Differentiate between patients with dementia and delirium
- Recognize the risk factors for the development of delirium
- Develop strategies for delirium prevention and treatment
- Discuss common toxic substances that could lead to AMS and how to treat them

5 - 6 p.m.

### **Networking Event**

## **Sunday, September 15, 2019**

7 a.m. - 5 p.m.

### **Registration**

7 - 8 a.m.

### **Exhibits and Breakfast (Provided)**

8 - 9 a.m.

### **Clots! Clots! Clots!**

Thomas G. DeLoughery, MD, MACP, FAWM

At the conclusion of this session, participants should be able to:

- Identify hospitalized patients at risk of thrombosis
- Discuss the options for preventing thrombosis
- Discuss the role of anticoagulants, both old and new, in the treatment of thrombosis

9 - 10 a.m.

### **End-of-Life Care for Hospitalized Patients: How to Show Up and What to Bring**

Jeff Myers, PA-C, MMSc, MIH

At the conclusion of this session, participants should be able to:

- Define and discuss the role of primary palliative care for PAs/NPs providing care of hospitalized patients
- Identify how to approach advance care planning and difficult conversations in the hospital
- Discuss best practices for managing symptoms at the end-of-life

- Identify resources and options for care for patients at or near the end-of-life

10 - 10:15 a.m.

**Exhibits/Break**

10:15 - 11:15 a.m.

**A Round of Pain**

Kim Mauer, MD

At the conclusion of this session, participants should be able to:

- Discuss the pathophysiology of pain
- Identify the rationale for why certain pain medications are utilized in the hospital
- Properly prescribe pain medications commonly utilized in the hospital
- Discuss procedural interventions used in the hospital
- Discuss the importance of neuroplasticity

11:15 a.m. - 12:15 p.m.

**Top Ten Hospital Based Articles of the Past Year**

Alan J. Hunter, MD

At the conclusion of this session, participants should be able to:

- Identify the past year's "AJH Top 10" potentially practice changing or NOT changing articles
- Provide a lite-contextual mini-topic 'state-of-the evidence' for each article described
- Apply information from these articles to daily practice

12:15 - 1:15 p.m.

**Lunch (Provided)**

1:15 - 3 p.m.

**First Breakout Session (Choose One)**

**ABG Interpretation Made Easy**

Stephanie Jalaba, MMS, PA-C and Andrew Walker, PSM, MS, PA-C

At the conclusion of this session, participants should be able to:

- Analyze an ABG to determine the primary acid-base disorder
- Recognize compensation and mixed acid-base disorders
- Discuss advanced concepts such as anion gap, corrected gap, and delta gap
- Formulate differential diagnoses for acid-base disorders and apply to clinical scenarios and decision making

## **Approach to the Neurologic Examination and Clinical Pearls**

Mohan Kottapally, MD

At the conclusion of this session, participants should be able to:

- Identify pitfalls of the neurologic examination
- Properly perform all aspects of the neurologic examination
- Discuss coma syndromes and mimics

## **EKG Review**

Benjamin Schultze, PhD, MSN, MEd, ACNP-BC and Ben Hartwig, DNP, AGACNP-BC

At the conclusion of this session, participants should be able to:

- Discuss how electricity flows through the heart and how it affects the EKG
- Utilize an EKG to detect issues with both the right and left sides of the heart
- Identify acute myocardial infarctions
- Identify old myocardial infarctions

## **Hospital Internal Medicine Meets Critical Care: Patient Cases**

Erin Stutz, PA-C, MPAS and Adrijana Anderson, PA-C

At the conclusion of this session, participants should be able to:

- Identify patients who warrant evaluation by a critical care team and discuss early resuscitative measures
- Evaluate the patient with early sepsis
- Recognize acute respiratory failure and review the initial management strategies
- Determine which types of shock can occur simultaneously
- Discuss how an arterial blood gas can assist in clinical decision making

## **Respiratory Care of the Hospitalized Patient: From Oxygen Delivery Systems to Mechanical Ventilation**

Bart Moulton, MD and Admir Beganovic, RRT

At the conclusion of this session, participants should be able to:

- Describe how NIPPV, HFNC, and mechanical ventilation help oxygenation
- Choose the correct type of oxygen delivery for a clinical scenario
- Demonstrate the correct use NIPPV, HFNC, and mechanical ventilation

3 - 3:15 p.m.

**Break**

3:15 - 5 p.m.

**Second Breakout Session (Choose One)**

**ABG Interpretation Made Easy**

**Approach to the Neurologic Examination and Clinical Pearls**

**EKG Review**

**Hospital Internal Medicine Meets Critical Care: Patient Cases**

**Respiratory Care of the Hospitalized Patient: From Oxygen Delivery Systems to Mechanical Ventilation**

**Monday, September 16, 2019**

7 a.m. - 5 p.m.

**Registration**

7 - 8 a.m.

**Breakfast (Provided)**

8 - 9:45 a.m.

**Third Breakout Session (Choose One)**

**ABG Interpretation Made Easy**

**Approach to the Neurologic Examination and Clinical Pearls**

**EKG Review**

**Hospital Internal Medicine Meets Critical Care: Patient Cases**

**Respiratory Care of the Hospitalized Patient: From Oxygen Delivery Systems to Mechanical Ventilation**

9:45 - 10 a.m.

**Break**

10 - 11 a.m.

**When the Pump Crumps: Managing Acute Heart Failure**

Benjamin Schultze, PhD, MSN, MEd, ACNP-BC

At the conclusion of this session, participants should be able to:

- Identify the main causes of acute heart failure
- Initiate medical measures to improve cardiac output
- Identify when advanced therapies are necessary for survival
- Discuss the pharmacological management needed for short and long term management
- Discuss how cardiogenic shock affects the body

11 a.m. - 12 p.m.

### **Pleural Disease and Chest Tube Management**

Ileana Esquivel, MPAS, PA-C

At the conclusion of this session, participants should be able to:

- Identify the etiology, assessment and management of pneumothorax
- Identify the etiology, assessment and management of empyema
- Identify the etiology, assessment and management of hemothorax
- Describe the indications for tube thoracostomy and how different chest drainage systems work
- Describe the daily management of chest tubes and address common questions and pitfalls

12 - 1 p.m.

### **Lunch (Provided)**

1 - 2 p.m.

### **Inpatient Assessment and Management of Acute GI Bleeding**

Sarah J. Diamond, MD

At the conclusion of this session, participants should be able to:

- Perform initial assessment and triage of patients with acute gastrointestinal bleeding
- Outline the initial stabilization and medical management of patients with GI bleeding prior to endoscopy
- Outline post-endoscopy management
- Identify the differential diagnosis and management of acute lower GI bleeding

2 - 3 p.m.

### **Neurologic Emergencies for Non-Neurologists**

Mohan Kottapally, MD

At the conclusion of this session, participants should be able to:

- Discuss basic neuroanatomy
- Complete a prompt and proper assessment of someone experiencing a neurologic emergency
- Outline the management of acute ischemic stroke, hemorrhagic stroke, aneurysmal subarachnoid hemorrhage, increased intracranial pressure, status epilepticus, spinal cord injury, and neuromuscular disorders

3 - 3:15 p.m.

### **Break**

3:15 - 4:15 p.m.

### **Sugar Tune-Up**

Qian Liya Leng, MD, MPH

At the conclusion of this session, participants should be able to:

- Identify current guidelines for glucose targets in the inpatient setting
- Start insulin at doses that are enough but not too much
- Titrate day to day insulin doses smartly
- Estimate subcutaneous insulin needs based on insulin drip requirements
- Discuss considerations for home medication regimens

4:15 - 5 p.m.

### **Approach to the Patient with Chest Pain**

Stephanie Jalaba, MMS, PA-C

At the conclusion of this session, participants should be able to:

- Differentiate cardiac vs. non-cardiac chest pain
- Apply risk stratification for patients with suspected cardiac chest pain
- Choose appropriate testing for both cardiac and non-cardiac etiologies of chest pain
- Review the treatment of common causes of chest pain

## **Tuesday, September 17, 2019**

7 a.m. - 12:45 p.m.

### **Registration**

7 - 8 a.m.

### **Breakfast (Provided)**

8 - 9 a.m.

### **Cardiac Arrhythmias in the Hospitalized Patient**

Robin Miller, DNP, MPH, ACNP

At the conclusion of this session, participants should be able to:

- Identify common arrhythmias in the hospitalized patient
- Recognize life-threatening arrhythmias and describe management
- Discuss anticoagulation strategies

9 - 10 a.m.

### **Inpatient Management of Liver Disease: 10 Things You Should Know**

Jennifer Palermo, MS, PA-C

At the conclusion of this session, participants should be able to:

- Review etiologies of elevated liver chemistries

- Discuss the use of MRE
- Outline the management of alcoholic hepatitis
- Select antibiotics for patients with UGIB and SBP
- Describe the TIPS procedure

10 - 10:30 a.m.

**Break for Hotel Check-Out**

10:30 - 11:30 a.m.

**Hazards of Hospitalization for Older Adults: Three Vignettes**

Juliana Bernstein, MPAS, PA-C

At the conclusion of this session, participants should be able to:

- Identify hazards of ICU admission and hospital level care that are unique to older adults
- Discuss successful techniques to reduce hospital-associated harm
- Distinguish optimal pharmacologic strategies to manage and prevent delirium in older adults

11:30 a.m. - 12:30 p.m.

**Common Oncologic Emergencies**

Brandon Hayes-Lattin, MD

At the conclusion of this session, participants should be able to:

- Recognize the subtle presentations of several oncologic emergencies
- Identify the management of common oncologic emergencies
- Appreciate emergencies in the context of overall cancer survival

12:30 - 12:45 p.m.

**Closing Remarks**

\* This agenda may be updated or modified without notification.